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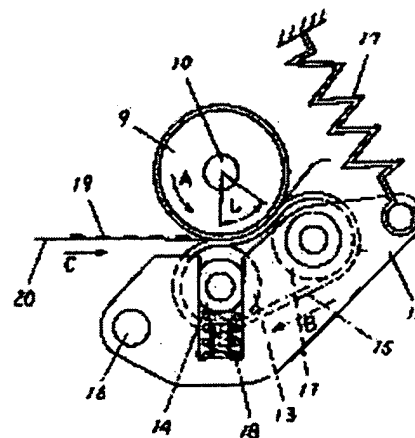
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(54) FIXING DEVICE

(57)Abstract:

PURPOSE: To reduce the size of a device and prevent copy paper from wrinkling by providing a couple of pressure rollers which wind an endless belt around a fixing roller and press the belt, and applying more press-contacting force from the downstream-side roller than from the upstream-side roller.

CONSTITUTION: The endless belt 15 is extended between a press-contacting roller 11 fitted to a substrate 12 and an auxiliary roller 13. The substrate 12 is energized counterclockwise around a shaft 16 with a spring 17 to press the press-contacting roller 11 and auxiliary roller 13 against the fixing roller 9, thereby winding the belt 15 around the fixing roller 9 by a center angle L . The auxiliary roller 13 is energized with a spring 18 toward the fixing roller 9 and the press-contacting force of the pressure-contacting roller 11 is set larger. Copy paper 20 is conveyed as shown by an arrow C to fix a toner image 19 between the belt 15 and fixing roller 9 with the heat of a heater 10 and the pressure of the belt 15, and then discharged from the device. Consequently, the device is reduced in size and photosensitive paper is prevented from wrinkling to take an excellent copy.



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